**DBMS PACKAGE SYNOPSIS**

Title : Training and Placement Management System

Team members : 20PW03 – Akshaya J

20PW36 – Swetha S

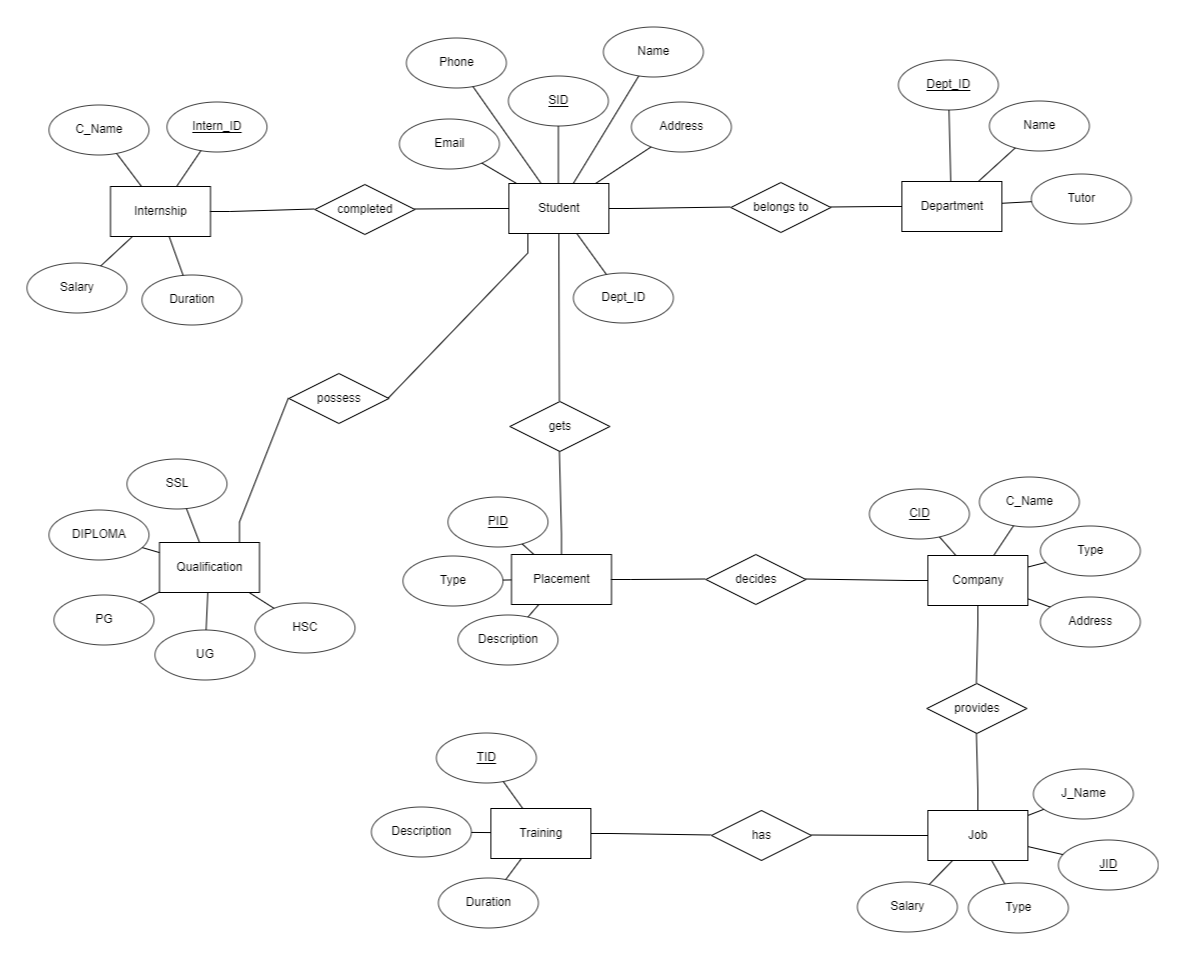
TABLES INVOLVED IN THE DATABASE :

* Student : It contains every students details. Attributes are Student\_ID, Student\_Name, Dept\_ID, Email, Phone\_No, Address
* Department : It consists of the department details of students.

Attributes are Dept\_ID, Dept\_Name, Tutor

* Company : Contains information about the companies recruiting the students. Attribute are Company\_ID, Company\_Name, Type, Company\_Description, Address
* Placement : Contains information on which companies the students are placed in. Attributes are Placement\_ID, Placement\_Type, Placement\_Description, Student\_id
* Qualification : Contains the qualifications of the students. Attributes are Student\_ID, SSL, HSC, UG, PG, DIPLOMA
* Training : It consists the training details of the company the student is placed in. Attributes are Training\_ID, Company\_ID, Student\_ID, Training\_Description, Duration
* Internship : It consists information regarding the internship details of the students. Attributes are Student\_ID, Dept\_ID, Comp\_name, Duration, Salary, Internship\_Description
* Job : It consists of the job details of the company. Attributes are Job\_ID, Job\_Name, Company\_ID, Placement\_ID, Job\_type, Salary

ERD DIAGRAM :



create database DBMS;

use DBMS;

create table department(Dept\_ID varchar(5) primary key, Dept\_Name varchar(30), Tutor varchar(20));

create table student(Student\_ID varchar(5) primary key, Dept\_ID varchar(30), Name varchar(20), Email varchar(50), Phone\_No BIGINT, foreign key(Dept\_ID) references department(Dept\_ID));

create table Internship(Student\_ID varchar(5) ,company\_name varchar(50), Salary integer, Duration\_in\_months integer, foreign key(Student\_ID) references student(Student\_ID));

create table Qualification(Student\_ID varchar(5), SSC decimal(4,2) check(SSC between 0 and 100), HSC decimal(4,2)check(HSC between 0 and 100), UG decimal(4,2) check(UG between 0 and 100), PG decimal(4,2) check(PG between 0 and 100), DIPLOMA decimal(4,2) check(DIPLOMA between 0 and 100), foreign key(Student\_ID) references student(Student\_ID));

create table Company(Company\_ID varchar(5), Company\_Name varchar(30), Type varchar(20), primary key(Company\_ID));

create table Placement(Placement\_ID varchar(5), Student\_ID varchar(5), Company\_ID varchar(5),Type varchar(20), foreign key(Student\_ID) references student(Student\_ID), foreign key(Company\_ID) references Company(Company\_ID), primary key(Placement\_ID));

create table Job(Job\_ID varchar(5), Placement\_ID varchar(5), Company\_ID varchar(5),Job\_Name varchar(30), foreign key(Placement\_ID) references Placement(Placement\_ID), foreign key(Company\_ID) references Company(Company\_ID), primary key(Job\_ID));

create table Training(TID varchar(5), Job\_ID varchar(5),Duration\_in\_months integer, foreign key(Job\_ID) references Job(Job\_ID), primary key(TID));

show tables;

+----------------+

| Tables\_in\_dbms |

+----------------+

| company |

| department |

| internship |

| job |

| placement |

| qualification |

| student |

| training |

+----------------+

8 rows in set (0.04 sec)

insert into department values("D001","AMCS","Dr.Nadarajan R");

insert into department values("D002","BE","Dr.Mallika J");

insert into department values("D003","BTECH","Dr.Shanthala K");

insert into department values("D004","BSC","Dr.Shakunthala K");

insert into department values("D005","MSC","Dr.Sreekanth S");

select \* from department;

+---------+-----------+------------------+

| Dept\_ID | Dept\_Name | Tutor |

+---------+-----------+------------------+

| D001 | AMCS | Dr.Nadarajan R |

| D002 | BE | Dr.Mallika J |

| D003 | BTECH | Dr.Shanthala K |

| D004 | BSC | Dr.Shakunthala K |

| D005 | MSC | Dr.Sreekanth S |

+---------+-----------+------------------+

5 rows in set (0.00 sec)

insert into student values("S001","D001","Zara","[zara123@gmail.com](mailto:zara123@gmail.com)",8796467456);  
insert into student values("S002","D001","Noah","[noahcentinio@gmail.com](mailto:noahcentinio@gmail.com)",9856067456);  
insert into student values("S003","D001","Oliver","[oliverwoods@yahoo.com](mailto:oliverwoods@yahoo.com)",9885364721);

insert into student  values  ("S004","D001","Elijah","[elijah@gmail.com](mailto:elijah@gmail.com)",9853462890);  
insert into student values("S005","D001","William","[william@gmail.com](mailto:william@gmail.com)",7895436134);  
insert into student values("S006","D001","James","[james@yahoo.com](mailto:james@yahoo.com)",7845783905);

insert into student  values ("S007","D001","Benjamin","[benjaminfranklin@gmail.com](mailto:benjaminfranklin@gmail.com)",4567324567);

insert into student  values ("S008","D002","Lucas","[lucas@gmail.com](mailto:lucas@gmail.com)",1125637845);  
insert into student  values ("S009","D002","Henry","[henry@yahoo.com](mailto:henry@yahoo.com)",8976439067);

insert into student values("S010","D002","Alexander","alexander[@gmail.com](mailto:zara123@gmail.com)",8795634456);

insert into student values("S011","D002","Emma","emmagreen[@gmail.com](mailto:noahcentinio@gmail.com)",1123467456);

insert into student values("S012","D002","Rachel","rachelgreen[@yahoo.com](mailto:oliverwoods@yahoo.com)",6543789256);

insert into student values("S013","D002","Ross","rossgeller[@gmail.com](mailto:elijah@gmail.com)",2344897546);  
insert into student values("S014","D002","Phoebe","phoebe[@gmail.com](mailto:william@gmail.com)",7865345672);  
insert into student values("S015","D002","Augutus","augustuswaters[@yahoo.com](mailto:james@yahoo.com)",7845624331);

insert into student values("S016","D003","Hazel","hazelgrace[@gmail.com](mailto:benjaminfranklin@gmail.com)",7883546241);

insert into student values("S017","D003","Dante","dantebrown[@gmail.com](mailto:lucas@gmail.com)",8876544231);

insert into student values("S018","D003","Zayn","zaynmalik[@yahoo.com](mailto:henry@yahoo.com)",6753489201);

insert into student values("S019","D003","Niall","nialhoran[@gmail.com](mailto:zara123@gmail.com)",5476356456);  
insert into student values("S020","D003","Harry","harrystyles[@gmail.com](mailto:noahcentinio@gmail.com)",6537867456);  
insert into student values("S021","D003","Damon","damongreen[@yahoo.com](mailto:oliverwoods@yahoo.com)",6673389256);

insert into student values("S022","D003","cole","colesprouse[@gmail.com](mailto:elijah@gmail.com)",6733597546);

insert into student values("S023","D004","David","david@gmail.com",1234567890);

insert into student values("S024","D004","Joseph","joseph@gmail.com",2345612958);

insert into student values("S025","D004","Claire","claire@gmail.com",2368612958);

insert into student values("S026","D004","Frank","frank@gmail.com",2368612987);

insert into student values("S027","D004","Flora","flora@gmail.com",2363982958);

insert into student values("S028","D004","Micheal","micheal@gmail.com",9843982958);

insert into student values("S029","D004","Michelle","michelle@gmail.com",9839572958);

insert into student values("S030","D005","Fiona","fiona@gmail.com",9099572958);

insert into student values("S031","D005","Ava","ava@gmail.com",9098632958);

insert into student values("S032","D005","Amelia","amelia@gmail.com",9098637658);

insert into student values("S033","D005","Elle","elle@gmail.com",9098675658);

insert into student values("S034","D005","Chandler","chandler@gmail.com",9983775658);

insert into student values("S035","D005","Monica","monica@gmail.com",9975675658);

insert into student values("S036","D005","Mondler","mondler@gmail.com",9975673858);

insert into student values("S037","D005","Joey","tribbiani@gmail.com",9476673858);

select \* from student;

+------------+---------+-----------+----------------------------+------------+------------+

| Student\_ID | Dept\_ID | Name | Email | Phone\_No | DOB |

+------------+---------+-----------+----------------------------+------------+------------+

| S001 | D001 | Zara | zara123@gmail.com | 8796467456 | 1998-12-04 |

| S002 | D001 | Noah | noahcentinio@gmail.com | 9856067456 | 1995-07-24 |

| S003 | D001 | Oliver | oliverwoods@yahoo.com | 9885364721 | 2000-03-15 |

| S004 | D001 | Elijah | elijah@gmail.com | 9853462890 | 1996-01-30 |

| S005 | D001 | William | william@gmail.com | 7895436134 | 1994-11-11 |

| S006 | D001 | James | james@yahoo.com | 7845783905 | 1997-05-23 |

| S007 | D001 | Benjamin | benjaminfranklin@gmail.com | 4567324567 | 1999-10-01 |

| S008 | D002 | Lucas | lucas@gmail.com | 1125637845 | 1995-08-17 |

| S009 | D002 | Henry | henry@yahoo.com | 8976439067 | 1999-06-28 |

| S010 | D002 | Alexander | alexander@gmail.com | 8795634456 | 2000-07-21 |

| S011 | D002 | Emma | emmagreen@gmail.com | 1123467456 | 1996-08-18 |

| S012 | D002 | Rachel | rachelgreen@yahoo.com | 6543789256 | 1997-01-31 |

| S013 | D002 | Ross | rossgeller@gmail.com | 2344897546 | 2000-10-05 |

| S014 | D002 | Phoebe | phoebe@gmail.com | 7865345672 | 1997-08-21 |

| S015 | D002 | Augutus | augustuswaters@yahoo.com | 7845624331 | 1999-11-18 |

| S016 | D003 | Hazel | hazelgrace@gmail.com | 7883546241 | 1996-12-13 |

| S017 | D003 | Dante | dantebrown@gmail.com | 8876544231 | 1997-12-12 |

| S018 | D003 | Zayn | zaynmalik@yahoo.com | 6753489201 | 1998-09-10 |

| S019 | D003 | Niall | nialhoran@gmail.com | 5476356456 | 2000-05-01 |

| S020 | D003 | Harry | harrystyles@gmail.com | 6537867456 | 1997-11-02 |

| S021 | D003 | Damon | damongreen@yahoo.com | 6673389256 | 1996-07-25 |

| S022 | D003 | cole | colesprouse@gmail.com | 6733597546 | 1998-12-29 |

| S023 | D004 | David | david@gmail.com | 1234567890 | 1999-04-19 |

| S024 | D004 | Joseph | joseph@gmail.com | 2345612958 | 2000-01-31 |

| S025 | D004 | Claire | claire@gmail.com | 2368612958 | 1998-07-18 |

| S026 | D004 | Frank | frank@gmail.com | 2368612987 | 2001-11-27 |

| S027 | D004 | Flora | flora@gmail.com | 2363982958 | 1997-12-11 |

| S028 | D004 | Micheal | micheal@gmail.com | 9843982958 | 1999-11-16 |

| S029 | D004 | Michelle | michelle@gmail.com | 9839572958 | 1995-06-24 |

| S030 | D005 | Fiona | fiona@gmail.com | 9099572958 | 1998-05-12 |

| S031 | D005 | Ava | ava@gmail.com | 9098632958 | 1996-10-03 |

| S032 | D005 | Amelia | amelia@gmail.com | 9098637658 | 1997-11-04 |

| S033 | D005 | Elle | elle@gmail.com | 9098675658 | 1999-06-19 |

| S034 | D005 | Chandler | chandler@gmail.com | 9983775658 | 2000-12-04 |

| S035 | D005 | Monica | monica@gmail.com | 9975675658 | 2001-12-11 |

| S036 | D005 | Mondler | mondler@gmail.com | 9975673858 | 2000-11-20 |

| S037 | D005 | Joey | tribbiani@gmail.com | 9476673858 | 1995-08-07 |

+------------+---------+-----------+----------------------------+------------+------------+

37 rows in set (0.00 sec)

Insert into qualification values(“S001”,99.3,NULL,88.5,95.67,93.2);

Insert into qualification values(“S002”,93.6,77.4,67.9,92.0,NULL);

Insert into qualification values(“S003”,78.34,NULL,88.0,78.67,89.65);

Insert into qualification values(“S004”,84.9,NULL,87.8,89.0,89.4);

Insert into qualification values(“S005”,95.3,77.4,88.5,95.67,NULL);

Insert into qualification values(“S006”,89.9,87.33,56.2,78.5,NULL);

Insert into qualification values(“S007”,93.5,96.4,65.1,95.67,NULL);

Insert into qualification values(“S008”,90.2,67.3,87.1,76.5,NULL);

Insert into qualification values(“S009”,96.3,NULL,78.1,78.3,45.3);

Insert into qualification values(“S010”,89.3,34.6,78.3,95.67,NULL);

Insert into qualification values(“S011”,66.9,67.9,45.2,32.5,NULL);

Insert into qualification values(“S012”,45.2,NULL,36.7,89.1,93.2);

Insert into qualification values(“S013”,91.3,NULL,88.5,95.0,93.0);

Insert into qualification values(“S014”,53.2,67.1,81.2,93.2,NULL);

Insert into qualification values(“S015”,41.2,NULL,34.5,61.7,23.2);

Insert into qualification values(“S016”,49.3,44.2,68.5,90.67,NULL);

Insert into qualification values(“S017”,94.3,NULL,12.5,45.67,23.2);

Insert into qualification values(“S018”,45.3,NULL,56.1,41.2,23.7);

Insert into qualification values(“S019”,67.1,67.1,23.5,34.7,NULL);

Insert into qualification values(“S020”,45.2,NULL,78.2,36.6,26.0);

Insert into qualification values(“S021”,61.3,NULL,88.9,72.6,53.9);

Insert into qualification values(“S022”,91.3,78.3,88.5,75.1,NULL);

Insert into qualification values(“S023”,90.2,NULL,92.5,63.9,35.8);

Insert into qualification values(“S024”,34.5,NULL,35.1,15.9,26.3);

Insert into qualification values(“S025”,99.3,89.1,86.5,95.0,NULL);

Insert into qualification values(“S026”,53.3,NULL,28.5,36.2,45.2);

Insert into qualification values(“S027”,15.3,NULL,15.5,11.6,14.2);

Insert into qualification values(“S028”,24.5,NULL,45.0,39.6,27.2);

Insert into qualification values(“S029”,48.9,NULL,67.1,52.9,55.1);

Insert into qualification values(“S030”,99.3,89.1,83.0,95.67,NULL);

Insert into qualification values(“S031”,78.0,67.9,80.1,71.9,NULL);

Insert into qualification values(“S032”,78.2,61.0,63.9,73.9,NULL);

Insert into qualification values(“S033”,89.1,76.9,82.4,90.1,NULL);

Insert into qualification values(“S034”,12.0,NULL,21.5,32.0,30.2);

Insert into qualification values(“S035”,56.2,30.6,72.1,61.0,NULL);

Insert into qualification values(“S036”,92.3,18.1,33.5,90.0,NULL);

Insert into qualification values(“S037”,47.1,48.2,60.1,78.2,NULL);

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| Student\_ID | SSC | HSC | UG | PG | DIPLOMA |

+------------+-------+-------+-------+-------+---------+

| S001 | 99.30 | NULL | 88.50 | 95.67 | 93.20 |

| S002 | 93.60 | 77.40 | 67.90 | 92.00 | NULL |

| S003 | 78.34 | NULL | 88.00 | 78.67 | 89.65 |

| S004 | 84.90 | NULL | 87.80 | 89.00 | 89.40 |

| S005 | 95.30 | 77.40 | 88.50 | 95.67 | NULL |

| S006 | 89.90 | 87.33 | 56.20 | 78.50 | NULL |

| S007 | 93.50 | 96.40 | 65.10 | 95.67 | NULL |

| S008 | 90.20 | 67.30 | 87.10 | 76.50 | NULL |

| S009 | 96.30 | NULL | 78.10 | 78.30 | 45.30 |

| S010 | 89.30 | 34.60 | 78.30 | 95.67 | NULL |

| S011 | 66.90 | 67.90 | 45.20 | 32.50 | NULL |

| S012 | 45.20 | NULL | 36.70 | 89.10 | 93.20 |

| S013 | 91.30 | NULL | 88.50 | 95.00 | 93.00 |

| S014 | 53.20 | 67.10 | 81.20 | 93.20 | NULL |

| S015 | 41.20 | NULL | 34.50 | 61.70 | 23.20 |

| S016 | 49.30 | 44.20 | 68.50 | 90.67 | NULL |

| S017 | 94.30 | NULL | 12.50 | 45.67 | 23.20 |

| S018 | 45.30 | NULL | 56.10 | 41.20 | 23.70 |

| S019 | 67.10 | 67.10 | 23.50 | 34.70 | NULL |

| S020 | 45.20 | NULL | 78.20 | 36.60 | 26.00 |

| S021 | 61.30 | NULL | 88.90 | 72.60 | 53.90 |

| S022 | 91.30 | 78.30 | 88.50 | 75.10 | NULL |

| S023 | 90.20 | NULL | 92.50 | 63.90 | 35.80 |

| S024 | 34.50 | NULL | 35.10 | 15.90 | 26.30 |

| S025 | 99.30 | 89.10 | 86.50 | 95.00 | NULL |

| S026 | 53.30 | NULL | 28.50 | 36.20 | 45.20 |

| S027 | 15.30 | NULL | 15.50 | 11.60 | 14.20 |

| S028 | 24.50 | NULL | 45.00 | 39.60 | 27.20 |

| S029 | 48.90 | NULL | 67.10 | 52.90 | 55.10 |

| S030 | 99.30 | 89.10 | 83.00 | 95.67 | NULL |

| S031 | 78.00 | 67.90 | 80.10 | 71.90 | NULL |

| S032 | 78.20 | 61.00 | 63.90 | 73.90 | NULL |

| S033 | 89.10 | 76.90 | 82.40 | 90.10 | NULL |

| S034 | 12.00 | NULL | 21.50 | 32.00 | 30.20 |

| S035 | 56.20 | 30.60 | 72.10 | 61.00 | NULL |

| S036 | 92.30 | 18.10 | 33.50 | 90.00 | NULL |

| S037 | 47.10 | 48.20 | 60.10 | 78.20 | NULL |

+------------+-------+-------+-------+-------+---------+

insert into Company values("C001","HData Systems","Data Science");

mysql> insert into Company values("C002","Tata Consultancy Services","IT");

mysql> insert into Company values("C003","Accenture","Software engineering");

mysql> insert into Company values("C004","Tech Mahindra","IT");

mysql> insert into Company values("C005","Genpact","Data Analytics");

mysql> insert into Company values("C006","Indium Software","Software development");

mysql> insert into Company values("C007","Cummins India Ltd","Engine Business");

mysql> insert into Company values("C008","Engineers India Ltd","EPC");

mysql> insert into Company values("C009","Everest Industries Ltd","manufacture&Trade");

mysql> insert into Company values("C010","HEG Ltd","manufacture");

mysql> insert into Company values("C011","Kirloskar Brothers Ltd","Engineering");

insert into Company values("C012","Amazon","e-commerce");

mysql> insert into Company values("C013","Deloitte","IT");

mysql> insert into Company values("C014","CGI","IT");

mysql> insert into Company values("C015","Mindtree","digital tech");

mysql> insert into Company values("C016","Infosys","IT");

mysql> insert into Company values("C017","Cognizant","Software");

mysql> insert into Company values("C018","TCS","IT");

insert into Company values("C019","ACG","Quality Analyst");

mysql> insert into Company values("C020","Sapiens","Test Analyst");

mysql> insert into Company values("C021","KENT RO Systems","software engineer");

mysql> insert into Company values("C022","Sutherland","Associate engineer");

mysql> insert into Company values("C023","Zynga","Application Security");

mysql> insert into Company values("C024","Cipla","Therapeutic");

mysql> insert into Company values("C025","Ranbaxy","Therapeutic");

mysql> insert into Company values("C026","ISRO","Space technology");

mysql> insert into Company values("C027","Johnson & Johnson","Health care");

mysql> insert into Company values("C028","Wipro","IT");

+------------+---------------------------+----------------------+

| Company\_ID | Company\_Name | Type |

+------------+---------------------------+----------------------+

| C001 | HData Systems | Data Science |

| C002 | Tata Consultancy Services | IT |

| C003 | Accenture | Software engineering |

| C004 | Tech Mahindra | IT |

| C005 | Genpact | Data Analytics |

| C006 | Indium Software | Software development |

| C007 | Cummins India Ltd | Engine Business |

| C008 | Engineers India Ltd | EPC |

| C009 | Everest Industries Ltd | manufacture&Trade |

| C010 | HEG Ltd | manufacture |

| C011 | Kirloskar Brothers Ltd | Engineering |

| C012 | Amazon | e-commerce |

| C013 | Deloitte | IT |

| C014 | CGI | IT |

| C015 | Mindtree | digital tech |

| C016 | Infosys | IT |

| C017 | Cognizant | Software |

| C018 | TCS | IT |

| C019 | ACG | Quality Analyst |

| C020 | Sapiens | Test Analyst |

| C021 | KENT RO Systems | software engineer |

| C022 | Sutherland | Associate engineer |

| C023 | Zynga | Application Security |

| C024 | Cipla | Therapeutic |

| C025 | Ranbaxy | Therapeutic |

| C026 | ISRO | Space technology |

| C027 | Johnson & Johnson | Health care |

| C028 | Wipro | IT |

+------------+---------------------------+----------------------+

28 rows in set (0.00 sec)

insert into internship values ("S001","Infosys",30000,6);  
insert into internship values ("S002","Tata Consultancy Services",75000,12);  
insert into internship values ("S003","Cloudious LLC",10000,3);  
insert into internship values ("S005",”Elysium Academy Pvt Ltd”,12000,3);  
insert into internship values ("S005","Techvolt Pvt Ltd",15000,3);  
insert into internship values ("S006","Cummins India Ltd",35000,24);  
insert into internship values ("S007","Everest Industries Ltd",44000,6);  
insert into internship values ("S008","Urban Company",20000,12);  
insert into internship values ("S010","UCFER",60000,3);  
insert into internship values ("S011","Sqenta Technologies",55000,12);  
insert into internship values ("S012","Yellomart Software Services",80000,12);  
insert into internship values ("S013","Decathlon Sport India",34000,6);  
insert into internship values ("S014","IQube",12000,6);  
insert into internship values ("S015","BrainCert Pvt Ltd",23000,6);  
insert into internship values ("S016","ThinkAside Technology",35000,12);  
insert into internship values ("S018","S.S. Engineering Works",43000,6);  
insert into internship values ("S019","Nitroware Technologies",50000,6);  
insert into internship values ("S020","Digital Stout Innovation",10000,3);  
insert into internship values ("S022","Techvolt Pvt Ltd",31000,12);  
insert into internship values ("S023","Everest Industries Ltd",65000,3);  
insert into internship values ("S024","BrainCert Pvt Ltd",25000,3);  
insert into internship values ("S025","Urban Company",95000,6);  
insert into internship values ("S025","Cloudious LLC",40000,6);  
insert into internship values ("S026","HEG Ltd",70000,12);  
insert into internship values ("S027","BrainCert Pvt Ltd",100000,48);  
insert into internship values ("S029","Genpact",50000,12);  
insert into internship values ("S030","Indium Software",67000,48);  
insert into internship values ("S031","IQube",80000,6);  
insert into internship values ("S032","Decathlon Sport India",90000,12);  
insert into internship values ("S033","Cummins India Ltd",50000,3);

insert into internship values ("S034","Accenture",56000,6);  
insert into internship values ("S036",”Indium Software",78000,12);  
insert into internship values ("S037",”Digital Stout Innovation",100000,12);

+------------+-----------------------------+--------+--------------------+

| Student\_ID | company\_name | Salary | Duration\_in\_months |

+------------+-----------------------------+--------+--------------------+

| S001 | Infosys | 30000 | 6 |

| S002 | Tata Consultancy Services | 75000 | 12 |

| S003 | Cloudious LLC | 10000 | 3 |

| S005 | Elysium Academy Pvt Ltd | 12000 | 3 |

| S005 | Techvolt Pvt Ltd | 15000 | 3 |

| S006 | Cummins India Ltd | 35000 | 24 |

| S007 | Everest Industries Ltd | 44000 | 6 |

| S008 | Urban Company | 20000 | 12 |

| S010 | UCFER | 60000 | 3 |

| S011 | Sqenta Technologies | 55000 | 12 |

| S012 | Yellomart Software Services | 80000 | 12 |

| S013 | Decathlon Sport India | 34000 | 6 |

| S014 | IQube | 12000 | 6 |

| S015 | BrainCert Pvt Ltd | 23000 | 6 |

| S016 | ThinkAside Technology | 35000 | 12 |

| S018 | S.S. Engineering Works | 43000 | 6 |

| S019 | Nitroware Technologies | 50000 | 6 |

| S020 | Digital Stout Innovation | 10000 | 3 |

| S022 | Techvolt Pvt Ltd | 31000 | 12 |

| S023 | Everest Industries Ltd | 65000 | 3 |

| S024 | BrainCert Pvt Ltd | 25000 | 3 |

| S025 | Urban Company | 95000 | 6 |

| S025 | Cloudious LLC | 40000 | 6 |

| S026 | HEG Ltd | 70000 | 12 |

| S027 | BrainCert Pvt Ltd | 100000 | 48 |

| S029 | Genpact | 50000 | 12 |

| S030 | Indium Software | 67000 | 48 |

| S031 | IQube | 80000 | 6 |

| S032 | Decathlon Sport India | 90000 | 12 |

| S033 | Cummins India Ltd | 50000 | 3 |

| S034 | Accenture | 56000 | 6 |

| S036 | Indium Software | 78000 | 12 |

| S037 | Digital Stout Innovation | 100000 | 12 |

+------------+-----------------------------+--------+--------------------+

33 rows in set (0.00 sec)

insert into placement values ("P001","S001","C001","Software Architect");

insert into placement values ("P002","S001","C003","Software Engineer");

insert into placement values ("P003","S002","C001","Project Manager");

insert into placement values ("P004","S003","C004","Assignment Coordinator");

insert into placement values ("P005","S003","C001","Team Lead");

insert into placement values (“P006”,”S003”,”C002”,”Senior Consultant”);

insert into placement values ("P007","S004","C003","Software Architect");

insert into placement values ("P008","S004","C005","Business Analyst");

insert into placement values ("P009","S005","C006","Project Manager");

insert into placement values ("P010","S006","C002","Software Architect");

insert into placement values ("P011","S006","C005","HR Officer");

insert into placement values ("P012","S006","C001","Data Analysts");

insert into placement values ("P013","S007","C003","Cloud Engineer");

insert into placement values ("P014","S008","C007","Service Engineer");  
insert into placement values ("P015","S008","C0011","Product Design Engineer");  
insert into placement values ("P016","S009","C008","Product Manager");  
insert into placement values ("P017","S010","C009","Personnel Agent");  
insert into placement values ("P018","S010","C007","Programmer Analyst");  
insert into placement values (“P019”,”S011”,”C010”,”Service Engineer”);  
insert into placement values ("P020","S012","C007","Product Manager");  
insert into placement values ("P021","S014","C010","Web Delveloper");  
insert into placement values ("P022","S014","C009","Project Manager");  
insert into placement values ("P023","S015","C011","Build Engineer");

insert into placement values ("P024","S016","C014","Graphic Designer");  
insert into placement values ("P025","S017","C017","Manual Test Engineer");  
insert into placement values ("P026","S017","C012","Field Engineer");  
insert into placement values ("P027","S018","C018","Software Developer");  
insert into placement values ("P028","S020","C015","Business Development Manager");  
insert into placement values ("P029","S021","C013","Quality Engineer");  
insert into placement values ("P030","S022","C012","Digital Marketing");

insert into placement values ("P031","S023","C019","VP");

mysql> insert into placement values ("P032","S023","C023","Recruiter");

mysql> insert into placement values ("P033","S024","C021","HR specialist");

mysql> insert into placement values ("P034","S025","C019","HR Director");

mysql> insert into placement values ("P035","S025","C020","SEO consultant");

mysql> insert into placement values ("P036","S025","C023","Content manager");

mysql> insert into placement values ("P037","S026","C022","Web analytics");

mysql> insert into placement values ("P038","S026","C021","SEO manager");

mysql> insert into placement values ("P039","S027","C023","ELK Engineer");

mysql> insert into placement values ("P040","S028","C023","Jenkins admin");

mysql> insert into placement values ("P041","S028","C021","Principle Engineer");

mysql> insert into placement values ("P042","S028","C020","NET developer");

mysql> insert into placement values ("P043","S029","C021","NET developer");

mysql> insert into placement values ("P044","S029","C019","SEO consultant");

mysql> insert into placement values ("P045","S030","C025","Manager");

mysql> insert into placement values ("P046","S030","C028","S/w developer");

mysql> insert into placement values ("P047","S031","C028","S/w developer");

mysql> insert into placement values ("P048","S031","C025","Front-end dev");

mysql> insert into placement values ("P049","S032","C025","VP of eng");

mysql> insert into placement values ("P050","S032","C027","VP of marketing");

mysql> insert into placement values ("P051","S032","C028","Chief architect");

mysql> insert into placement values ("P052","S034","C025","CTO");

mysql> insert into placement values ("P053","S034","C026","product manager");

mysql> insert into placement values ("P054","S034","C028","senior manager");

mysql> insert into placement values ("P055","S035","C024","Infra manager");

mysql> insert into placement values ("P056","S036","C026","CTO");

mysql> insert into placement values ("P057","S036","C027","Chief architect");

+--------------+------------+------------+----------------------+

| Placement\_ID | Student\_ID | Company\_ID | Type |

+--------------+------------+------------+----------------------+

| P001 | S001 | C001 | Software Architect |

| P002 | S001 | C003 | Software Engineer |

| P003 | S002 | C001 | Project Manager |

| P004 | S003 | C004 | AC |

| P005 | S003 | C001 | Team Lead |

| P006 | S003 | C002 | Senior Consultant |

| P007 | S004 | C003 | Software Architect |

| P008 | S004 | C005 | Business Analyst |

| P009 | S005 | C006 | Project Manager |

| P010 | S006 | C002 | Software Architect |

| P011 | S006 | C005 | HR Officer |

| P012 | S006 | C001 | Data Analysts |

| P013 | S007 | C003 | Cloud Engineer |

| P014 | S008 | C007 | Service Engineer |

| P015 | S008 | C011 | PD Engineer |

| P016 | S009 | C008 | Product Manager |

| P017 | S010 | C009 | Personnel Agent |

| P018 | S010 | C007 | Programmer Analyst |

| P019 | S011 | C010 | Service Engineer |

| P020 | S012 | C007 | Product Manager |

| P021 | S014 | C010 | Web Delveloper |

| P022 | S014 | C009 | Project Manager |

| P023 | S015 | C011 | Build Engineer |

| P024 | S016 | C014 | Graphic Designer |

| P025 | S017 | C017 | Manual Test Engineer |

| P026 | S017 | C012 | Field Engineer |

| P027 | S018 | C018 | Software Developer |

| P028 | S020 | C015 | BD Manager |

| P029 | S021 | C013 | Quality Engineer |

| P030 | S022 | C012 | Digital Marketing |

| P031 | S023 | C019 | VP |

| P032 | S023 | C023 | Recruiter |

| P033 | S024 | C021 | HR specialist |

| P034 | S025 | C019 | HR Director |

| P035 | S025 | C020 | SEO consultant |

| P036 | S025 | C023 | Content manager |

| P037 | S026 | C022 | Web analytics |

| P038 | S026 | C021 | SEO manager |

| P039 | S027 | C023 | ELK Engineer |

| P040 | S028 | C023 | Jenkins admin |

| P041 | S028 | C021 | Principle Engineer |

| P042 | S028 | C020 | NET developer |

| P043 | S029 | C021 | NET developer |

| P044 | S029 | C019 | SEO consultant |

| P045 | S030 | C025 | Manager |

| P046 | S030 | C028 | S/w developer |

| P047 | S031 | C028 | S/w developer |

| P048 | S031 | C025 | Front-end dev |

| P049 | S032 | C025 | VP of eng |

| P050 | S032 | C027 | VP of marketing |

| P051 | S032 | C028 | Chief architect |

| P052 | S034 | C025 | CTO |

**| P053 | S034 | C026 | product manager |**

**| P054 | S034 | C028 | senior manager |**

**| P055 | S035 | C024 | Infra manager |**

**| P056 | S036 | C026 | CTO |**

**| P057 | S036 | C027 | Chief architect |**

+--------------+------------+------------+----------------------+

57 rows in set (0.00 sec)

insert into job values("J001","P002","C003","Software Architect",100000);

Query OK, 1 row affected (0.02 sec)

mysql> insert into job values("J002","P003","C001","PM",150000);

Query OK, 1 row affected (0.01 sec)

insert into job values("J003","P006","C002","SC",130500);

Query OK, 1 row affected (0.01 sec)

mysql> insert into job values("J004","P007","C003","SA",135000);

Query OK, 1 row affected (0.02 sec)

mysql> insert into job values("J005","P011","C005","HR",140000);

Query OK, 1 row affected (0.01 sec)

mysql> insert into job values("J006","P013","C003","CE",120000);

Query OK, 1 row affected (0.01 sec)

mysql> insert into job values("J007","P015","C011","PD engineer",140000);

Query OK, 1 row affected (0.01 sec)

mysql> insert into job values("J008","P016","C008","PM",100000);

Query OK, 1 row affected (0.02 sec)

mysql> insert into job values("J009","P018","C007","Prog Analyst",150000);

Query OK, 1 row affected (0.01 sec)

mysql> insert into job values("J010","P019","C010","Service eng",120000);

Query OK, 1 row affected (0.01 sec)

mysql> insert into job values("J011","P022","C009","PM",100000);

Query OK, 1 row affected (0.01 sec)

mysql> insert into job values("J012","P023","C011","Build eng",150000);

Query OK, 1 row affected (0.02 sec)

mysql> insert into job values("J013","P024","C014","Graphic Design",125000);

Query OK, 1 row affected (0.02 sec)

mysql> insert into job values("J014","P026","C012","Field test eng",120000);

Query OK, 1 row affected (0.02 sec)

mysql> insert into job values("J015","P027","C018","S/w developer",115000);

Query OK, 1 row affected (0.01 sec)

mysql> insert into job values("J016","P028","C015","BD",110000);

Query OK, 1 row affected (0.01 sec)

mysql> insert into job values("J017","P030","C012","Digital market",125000);

Query OK, 1 row affected (0.01 sec)

mysql> insert into job values("J018","P031","C019","VP",105000);

Query OK, 1 row affected (0.01 sec)

mysql> insert into job values("J019","P035","C020","SEO",115000);

Query OK, 1 row affected (0.02 sec)

mysql> insert into job values("J020","P037","C022","WA",110000);

Query OK, 1 row affected (0.01 sec)

mysql> insert into job values("J021","P040","C023","JA",130000);

Query OK, 1 row affected (0.02 sec)

insert into job values("J022","P044","C019","consultant",135000);

Query OK, 1 row affected (0.01 sec)

insert into job values("J023","P046","C028","s/w developer",105000);

insert into job values("J024","P048","C025","Front end developer",100000);

Query OK, 1 row affected (0.01 sec)

mysql> insert into job values("J025","P051","C028","CA",150000);

Query OK, 1 row affected (0.01 sec)

mysql> insert into job values("J026","P054","C028","senior mananger",180000);

Query OK, 1 row affected (0.01 sec)

mysql> insert into job values("J027","P055","C024","Infra mgr",140000);

select \* from Job;

+--------+--------------+------------+---------------------+--------+

| Job\_ID | Placement\_ID | Company\_ID | Job\_Name | Salary |

+--------+--------------+------------+---------------------+--------+

| J001 | P002 | C003 | Software Architect | 100000 |

| J002 | P003 | C001 | PM | 150000 |

| J003 | P006 | C002 | SC | 130500 |

| J004 | P007 | C003 | SA | 135000 |

| J005 | P011 | C005 | HR | 140000 |

| J006 | P013 | C003 | CE | 120000 |

| J007 | P015 | C011 | PD engineer | 140000 |

| J008 | P016 | C008 | PM | 100000 |

| J009 | P018 | C007 | Prog Analyst | 150000 |

| J010 | P019 | C010 | Service eng | 120000 |

| J011 | P022 | C009 | PM | 100000 |

| J012 | P023 | C011 | Build eng | 150000 |

| J013 | P024 | C014 | Graphic Design | 125000 |

| J014 | P026 | C012 | Field test eng | 120000 |

| J015 | P027 | C018 | S/w developer | 115000 |

| J016 | P028 | C015 | BD | 110000 |

| J017 | P030 | C012 | Digital market | 125000 |

| J018 | P031 | C019 | VP | 105000 |

| J019 | P035 | C020 | SEO | 115000 |

| J020 | P037 | C022 | WA | 110000 |

| J021 | P040 | C023 | JA | 130000 |

| J022 | P044 | C019 | consultant | 135000 |

| J023 | P046 | C028 | s/w developer | 105000 |

| J024 | P048 | C025 | Front end developer | 100000 |

| J025 | P051 | C028 | CA | 150000 |

| J026 | P054 | C028 | senior mananger | 180000 |

| J027 | P055 | C024 | Infra mgr | 140000 |

+--------+--------------+------------+---------------------+--------+

27 rows in set (0.01 sec)

insert into Training values("T001","J001",6);

insert into Training values("T002","J003",3);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Training values("T003","J004",4);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Training values("T004","J005",1);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Training values("T005","J006",4);

Query OK, 1 row affected (0.02 sec)

mysql> insert into Training values("T006","J007",4);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Training values("T007","J008",5);

Query OK, 1 row affected (0.02 sec)

mysql> insert into Training values("T008","J009",12);

Query OK, 1 row affected (0.02 sec)

mysql> insert into Training values("T009","J011",3);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Training values("T010","J012",4);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Training values("T011","J013",3);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Training values("T012","J014",5);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Training values("T013","J015",2);

Query OK, 1 row affected (0.02 sec)

mysql> insert into Training values("T014","J017",7);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Training values("T015","J019",3);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Training values("T016","J020",5);

Query OK, 1 row affected (0.02 sec)

mysql> insert into Training values("T017","J021",3);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Training values("T018","J023",6);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Training values("T019","J025",6);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Training values("T020","J026",5);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Training values("T021","J027",4);

Query OK, 1 row affected (0.02 sec)

+------+--------+--------------------+

| TID | Job\_ID | Duration\_in\_months |

+------+--------+--------------------+

| T001 | J001 | 6 |

| T002 | J003 | 3 |

| T003 | J004 | 4 |

| T004 | J005 | 1 |

| T005 | J006 | 4 |

| T006 | J007 | 4 |

| T007 | J008 | 5 |

| T008 | J009 | 12 |

| T009 | J011 | 3 |

| T010 | J012 | 4 |

| T011 | J013 | 3 |

| T012 | J014 | 5 |

| T013 | J015 | 2 |

| T014 | J017 | 7 |

| T015 | J019 | 3 |

| T016 | J020 | 5 |

| T017 | J021 | 3 |

| T018 | J023 | 6 |

| T019 | J025 | 6 |

| T020 | J026 | 5 |

| T021 | J027 | 4 |

+------+--------+--------------------+

21 rows in set (0.00 sec)

**QUERIES :**

Add the DOB for students, Salary for job

1. Find the students based on their qualification requirements. Atleast one internship and 90%

select S.Student\_ID,Name,HSC,SSC,Diploma,UG,company\_name from Student S,Internship I,Qualification Q where S.Student\_ID=I.Student\_ID and S.Student\_ID=Q.Student\_ID and SSC>80 and (HSC>80 or Diploma>80) and UG>80;

+------------+--------+-------+-------+---------+-------+-----------------------+

| Student\_ID | Name | HSC | SSC | Diploma | UG | company\_name |

+------------+--------+-------+-------+---------+-------+-----------------------+

| S001 | Zara | NULL | 99.30 | 93.20 | 88.50 | Infosys |

| S013 | Ross | NULL | 91.30 | 93.00 | 88.50 | Decathlon Sport India |

| S025 | Claire | 89.10 | 99.30 | NULL | 86.50 | Urban Company |

| S025 | Claire | 89.10 | 99.30 | NULL | 86.50 | Cloudious LLC |

| S030 | Fiona | 89.10 | 99.30 | NULL | 83.00 | Indium Software |

+------------+--------+-------+-------+---------+-------+-----------------------+

1. rows in set (0.00 sec)
2. How many placements are provided for one student

select S.Student\_ID,Name,count(Placement\_ID) from Student S,Placement P where S.Student\_ID=P.Student\_ID GROUP BY S.Student\_ID;

+------------+-----------+---------------------+

| Student\_ID | Name | count(Placement\_ID) |

+------------+-----------+---------------------+

| S001 | Zara | 2 |

| S002 | Noah | 1 |

| S003 | Oliver | 3 |

| S004 | Elijah | 2 |

| S005 | William | 1 |

| S006 | James | 3 |

| S007 | Benjamin | 1 |

| S008 | Lucas | 2 |

| S009 | Henry | 1 |

| S010 | Alexander | 2 |

| S011 | Emma | 1 |

| S012 | Rachel | 1 |

| S014 | Phoebe | 2 |

| S015 | Augutus | 1 |

| S016 | Hazel | 1 |

| S017 | Dante | 2 |

| S018 | Zayn | 1 |

| S020 | Harry | 1 |

| S021 | Damon | 1 |

| S022 | cole | 1 |

| S023 | David | 2 |

| S024 | Joseph | 1 |

| S025 | Claire | 3 |

| S026 | Frank | 2 |

| S027 | Flora | 1 |

| S028 | Micheal | 3 |

| S029 | Michelle | 2 |

| S030 | Fiona | 2 |

| S031 | Ava | 2 |

| S032 | Amelia | 3 |

| S034 | Chandler | 3 |

| S035 | Monica | 1 |

| S036 | Mondler | 2 |

+------------+-----------+---------------------+

1. Which company provides jobs to which students

select S.Student\_ID,Name,C.Company\_ID,Company\_Name from Student S,Company C,Placement P where S.Student\_ID=P.Student\_ID and P.Company\_ID=C.Company\_ID ORDER BY Company\_ID;

+------------+-----------+------------+---------------------------+

| Student\_ID | Name | Company\_ID | Company\_Name |

+------------+-----------+------------+---------------------------+

| S001 | Zara | C001 | HData Systems |

| S002 | Noah | C001 | HData Systems |

| S003 | Oliver | C001 | HData Systems |

| S006 | James | C001 | HData Systems |

| S003 | Oliver | C002 | Tata Consultancy Services |

| S006 | James | C002 | Tata Consultancy Services |

| S001 | Zara | C003 | Accenture |

| S004 | Elijah | C003 | Accenture |

| S007 | Benjamin | C003 | Accenture |

| S003 | Oliver | C004 | Tech Mahindra |

| S004 | Elijah | C005 | Genpact |

| S006 | James | C005 | Genpact |

| S005 | William | C006 | Indium Software |

| S008 | Lucas | C007 | Cummins India Ltd |

| S010 | Alexander | C007 | Cummins India Ltd |

| S012 | Rachel | C007 | Cummins India Ltd |

| S009 | Henry | C008 | Engineers India Ltd |

| S010 | Alexander | C009 | Everest Industries Ltd |

| S014 | Phoebe | C009 | Everest Industries Ltd |

| S011 | Emma | C010 | HEG Ltd |

| S014 | Phoebe | C010 | HEG Ltd |

| S008 | Lucas | C011 | Kirloskar Brothers Ltd |

| S015 | Augutus | C011 | Kirloskar Brothers Ltd |

| S017 | Dante | C012 | Amazon |

| S022 | cole | C012 | Amazon |

| S021 | Damon | C013 | Deloitte |

| S016 | Hazel | C014 | CGI |

| S020 | Harry | C015 | Mindtree |

| S017 | Dante | C017 | Cognizant |

| S018 | Zayn | C018 | TCS |

| S023 | David | C019 | ACG |

| S025 | Claire | C019 | ACG |

| S029 | Michelle | C019 | ACG |

| S025 | Claire | C020 | Sapiens |

| S028 | Micheal | C020 | Sapiens |

| S024 | Joseph | C021 | KENT RO Systems |

| S026 | Frank | C021 | KENT RO Systems |

| S028 | Micheal | C021 | KENT RO Systems |

| S029 | Michelle | C021 | KENT RO Systems |

| S026 | Frank | C022 | Sutherland |

| S023 | David | C023 | Zynga |

| S025 | Claire | C023 | Zynga |

| S027 | Flora | C023 | Zynga |

| S028 | Micheal | C023 | Zynga |

| S035 | Monica | C024 | Cipla |

| S030 | Fiona | C025 | Ranbaxy |

| S031 | Ava | C025 | Ranbaxy |

| S032 | Amelia | C025 | Ranbaxy |

| S034 | Chandler | C025 | Ranbaxy |

| S034 | Chandler | C026 | ISRO |

| S036 | Mondler | C026 | ISRO |

| S032 | Amelia | C027 | Johnson & Johnson |

| S036 | Mondler | C027 | Johnson & Johnson |

| S030 | Fiona | C028 | Wipro |

| S031 | Ava | C028 | Wipro |

| S032 | Amelia | C028 | Wipro |

| S034 | Chandler | C028 | Wipro |

+------------+-----------+------------+---------------------------+

57 rows in set (0.00 sec)

1. Find the highest average marks in UG department wise among the students and the no of placements they got
2. Tutors can check for students intern or placement details

select D.Dept\_ID,Dept\_Name,S.Student\_ID,Name,Tutor,I.company\_name,P.placement\_ID,C.Company\_name,C.Company\_ID from Student S,Department D,Placement P,Company C,Internship I where S.Student\_ID=P.Student\_ID and D.Dept\_ID=S.Dept\_ID and P.Company\_ID=C.Company\_ID and I.Student\_ID=S.Student\_ID;

+---------+-----------+------------+-----------+------------------+-----------------------------+--------------+---------------------------+------------+

| Dept\_ID | Dept\_Name | Student\_ID | Name | Tutor | company\_name | placement\_ID | Company\_name | Company\_ID |

+---------+-----------+------------+-----------+------------------+-----------------------------+--------------+---------------------------+------------+

| D001 | AMCS | S001 | Zara | Dr.Nadarajan R | Infosys | P001 | HData Systems | C001 |

| D001 | AMCS | S001 | Zara | Dr.Nadarajan R | Infosys | P002 | Accenture | C003 |

| D001 | AMCS | S002 | Noah | Dr.Nadarajan R | Tata Consultancy Services | P003 | HData Systems | C001 |

| D001 | AMCS | S003 | Oliver | Dr.Nadarajan R | Cloudious LLC | P004 | Tech Mahindra | C004 |

| D001 | AMCS | S003 | Oliver | Dr.Nadarajan R | Cloudious LLC | P005 | HData Systems | C001 |

| D001 | AMCS | S003 | Oliver | Dr.Nadarajan R | Cloudious LLC | P006 | Tata Consultancy Services | C002 |

| D001 | AMCS | S005 | William | Dr.Nadarajan R | Elysium Academy Pvt Ltd | P009 | Indium Software | C006 |

| D001 | AMCS | S005 | William | Dr.Nadarajan R | Techvolt Pvt Ltd | P009 | Indium Software | C006 |

| D001 | AMCS | S006 | James | Dr.Nadarajan R | Cummins India Ltd | P010 | Tata Consultancy Services | C002 |

| D001 | AMCS | S006 | James | Dr.Nadarajan R | Cummins India Ltd | P011 | Genpact | C005 |

| D001 | AMCS | S006 | James | Dr.Nadarajan R | Cummins India Ltd | P012 | HData Systems | C001 |

| D001 | AMCS | S007 | Benjamin | Dr.Nadarajan R | Everest Industries Ltd | P013 | Accenture | C003 |

| D002 | BE | S008 | Lucas | Dr.Mallika J | Urban Company | P014 | Cummins India Ltd | C007 |

| D002 | BE | S008 | Lucas | Dr.Mallika J | Urban Company | P015 | Kirloskar Brothers Ltd | C011 |

| D002 | BE | S010 | Alexander | Dr.Mallika J | UCFER | P017 | Everest Industries Ltd | C009 |

| D002 | BE | S010 | Alexander | Dr.Mallika J | UCFER | P018 | Cummins India Ltd | C007 |

| D002 | BE | S011 | Emma | Dr.Mallika J | Sqenta Technologies | P019 | HEG Ltd | C010 |

| D002 | BE | S012 | Rachel | Dr.Mallika J | Yellomart Software Services | P020 | Cummins India Ltd | C007 |

| D002 | BE | S014 | Phoebe | Dr.Mallika J | IQube | P021 | HEG Ltd | C010 |

| D002 | BE | S014 | Phoebe | Dr.Mallika J | IQube | P022 | Everest Industries Ltd | C009 |

| D002 | BE | S015 | Augutus | Dr.Mallika J | BrainCert Pvt Ltd | P023 | Kirloskar Brothers Ltd | C011 |

| D003 | BTECH | S016 | Hazel | Dr.Shanthala K | ThinkAside Technology | P024 | CGI | C014 |

| D003 | BTECH | S018 | Zayn | Dr.Shanthala K | S.S. Engineering Works | P027 | TCS | C018 |

| D003 | BTECH | S020 | Harry | Dr.Shanthala K | Digital Stout Innovation | P028 | Mindtree | C015 |

| D003 | BTECH | S022 | cole | Dr.Shanthala K | Techvolt Pvt Ltd | P030 | Amazon | C012 |

| D004 | BSC | S023 | David | Dr.Shakunthala K | Everest Industries Ltd | P031 | ACG | C019 |

| D004 | BSC | S023 | David | Dr.Shakunthala K | Everest Industries Ltd | P032 | Zynga | C023 |

| D004 | BSC | S024 | Joseph | Dr.Shakunthala K | BrainCert Pvt Ltd | P033 | KENT RO Systems | C021 |

| D004 | BSC | S025 | Claire | Dr.Shakunthala K | Urban Company | P034 | ACG | C019 |

| D004 | BSC | S025 | Claire | Dr.Shakunthala K | Urban Company | P035 | Sapiens | C020 |

| D004 | BSC | S025 | Claire | Dr.Shakunthala K | Urban Company | P036 | Zynga | C023 |

| D004 | BSC | S025 | Claire | Dr.Shakunthala K | Cloudious LLC | P034 | ACG | C019 |

| D004 | BSC | S025 | Claire | Dr.Shakunthala K | Cloudious LLC | P035 | Sapiens | C020 |

| D004 | BSC | S025 | Claire | Dr.Shakunthala K | Cloudious LLC | P036 | Zynga | C023 |

| D004 | BSC | S026 | Frank | Dr.Shakunthala K | HEG Ltd | P037 | Sutherland | C022 |

| D004 | BSC | S026 | Frank | Dr.Shakunthala K | HEG Ltd | P038 | KENT RO Systems | C021 |

| D004 | BSC | S027 | Flora | Dr.Shakunthala K | BrainCert Pvt Ltd | P039 | Zynga | C023 |

| D004 | BSC | S029 | Michelle | Dr.Shakunthala K | Genpact | P043 | KENT RO Systems | C021 |

| D004 | BSC | S029 | Michelle | Dr.Shakunthala K | Genpact | P044 | ACG | C019 |

| D005 | MSC | S030 | Fiona | Dr.Sreekanth S | Indium Software | P045 | Ranbaxy | C025 |

| D005 | MSC | S030 | Fiona | Dr.Sreekanth S | Indium Software | P046 | Wipro | C028 |

| D005 | MSC | S031 | Ava | Dr.Sreekanth S | IQube | P047 | Wipro | C028 |

| D005 | MSC | S031 | Ava | Dr.Sreekanth S | IQube | P048 | Ranbaxy | C025 |

| D005 | MSC | S032 | Amelia | Dr.Sreekanth S | Decathlon Sport India | P049 | Ranbaxy | C025 |

| D005 | MSC | S032 | Amelia | Dr.Sreekanth S | Decathlon Sport India | P050 | Johnson & Johnson | C027 |

| D005 | MSC | S032 | Amelia | Dr.Sreekanth S | Decathlon Sport India | P051 | Wipro | C028 |

| D005 | MSC | S034 | Chandler | Dr.Sreekanth S | Accenture | P052 | Ranbaxy | C025 |

| D005 | MSC | S034 | Chandler | Dr.Sreekanth S | Accenture | P053 | ISRO | C026 |

| D005 | MSC | S034 | Chandler | Dr.Sreekanth S | Accenture | P054 | Wipro | C028 |

| D005 | MSC | S036 | Mondler | Dr.Sreekanth S | Indium Software | P056 | ISRO | C026 |

| D005 | MSC | S036 | Mondler | Dr.Sreekanth S | Indium Software | P057 | Johnson & Johnson | C027 |

+---------+-----------+------------+-----------+------------------+-----------------------------+--------------+---------------------------+------------+

51 rows in set (0.01 sec)

1. The no of students who got placed from a particular department

select D.Dept\_ID,Dept\_Name,Count(S.Student\_ID) as Count\_of\_students from Department D,Student S,Placement P where D.Dept\_ID=S.Dept\_ID and P.Student\_ID=S.Student\_ID GROUP BY Dept\_ID;

+---------+-----------+-------------------+

| Dept\_ID | Dept\_Name | Count\_of\_students |

+---------+-----------+-------------------+

| D001 | AMCS | 13 |

| D002 | BE | 10 |

| D003 | BTECH | 7 |

| D004 | BSC | 14 |

| D005 | MSC | 13 |

+---------+-----------+-------------------+

5 rows in set (0.01 sec)

1. Which students rejected the placements they got?
2. Update students salary to 7% of their original salary if their Company\_ID belongs to C003,C007,C010,C015,C020

update Job set Salary=Salary+0.07\*Salary where Company\_ID in ("C003","C007","C010","C015","C020");

Query OK, 7 rows affected (0.01 sec)

Rows matched: 7 Changed: 7 Warnings: 0

1. Name the department and tutor where maximum no of students got job.

select D.Dept\_ID,Dept\_Name,Tutor,count(S.Student\_ID) from Department D,Student S,Job J,Placement P where D.Dept\_ID=S.Dept\_ID and S.Student\_ID=P.Student\_ID and P.Placement\_ID=J.Placement\_ID GROUP BY D.Dept\_ID having count(S.Student\_ID) = (select max(c) from (select count(S.Student\_ID) as c from Student group by Dept\_ID) t);

1. Companies offering students jobs can refer to a particular student’s internship status

select C.Company\_ID,C.Company\_Name,S.Student\_ID,I.company\_name as Internship\_Company,Duration\_in\_months from Company C,Placement P,Student S,Internship I where C.Company\_ID=P.Company\_ID and S.Student\_ID=P.Student\_ID and I.Student\_ID=S.Student\_ID ORDER BY C.Company\_ID;

+------------+---------------------------+------------+-----------------------------+--------------------+

| Company\_ID | Company\_Name | Student\_ID | Internship\_Company | Duration\_in\_months |

+------------+---------------------------+------------+-----------------------------+--------------------+

| C001 | HData Systems | S001 | Infosys | 6 |

| C001 | HData Systems | S002 | Tata Consultancy Services | 12 |

| C001 | HData Systems | S003 | Cloudious LLC | 3 |

| C001 | HData Systems | S006 | Cummins India Ltd | 24 |

| C002 | Tata Consultancy Services | S003 | Cloudious LLC | 3 |

| C002 | Tata Consultancy Services | S006 | Cummins India Ltd | 24 |

| C003 | Accenture | S001 | Infosys | 6 |

| C003 | Accenture | S007 | Everest Industries Ltd | 6 |

| C004 | Tech Mahindra | S003 | Cloudious LLC | 3 |

| C005 | Genpact | S006 | Cummins India Ltd | 24 |

| C006 | Indium Software | S005 | Elysium Academy Pvt Ltd | 3 |

| C006 | Indium Software | S005 | Techvolt Pvt Ltd | 3 |

| C007 | Cummins India Ltd | S008 | Urban Company | 12 |

| C007 | Cummins India Ltd | S010 | UCFER | 3 |

| C007 | Cummins India Ltd | S012 | Yellomart Software Services | 12 |

| C009 | Everest Industries Ltd | S010 | UCFER | 3 |

| C009 | Everest Industries Ltd | S014 | IQube | 6 |

| C010 | HEG Ltd | S011 | Sqenta Technologies | 12 |

| C010 | HEG Ltd | S014 | IQube | 6 |

| C011 | Kirloskar Brothers Ltd | S008 | Urban Company | 12 |

| C011 | Kirloskar Brothers Ltd | S015 | BrainCert Pvt Ltd | 6 |

| C012 | Amazon | S022 | Techvolt Pvt Ltd | 12 |

| C014 | CGI | S016 | ThinkAside Technology | 12 |

| C015 | Mindtree | S020 | Digital Stout Innovation | 3 |

| C018 | TCS | S018 | S.S. Engineering Works | 6 |

| C019 | ACG | S023 | Everest Industries Ltd | 3 |

| C019 | ACG | S025 | Urban Company | 6 |

| C019 | ACG | S025 | Cloudious LLC | 6 |

| C019 | ACG | S029 | Genpact | 12 |

| C020 | Sapiens | S025 | Urban Company | 6 |

| C020 | Sapiens | S025 | Cloudious LLC | 6 |

| C021 | KENT RO Systems | S024 | BrainCert Pvt Ltd | 3 |

| C021 | KENT RO Systems | S026 | HEG Ltd | 12 |

| C021 | KENT RO Systems | S029 | Genpact | 12 |

| C022 | Sutherland | S026 | HEG Ltd | 12 |

| C023 | Zynga | S025 | Urban Company | 6 |

| C023 | Zynga | S025 | Cloudious LLC | 6 |

| C023 | Zynga | S027 | BrainCert Pvt Ltd | 48 |

| C023 | Zynga | S023 | Everest Industries Ltd | 3 |

| C025 | Ranbaxy | S030 | Indium Software | 48 |

| C025 | Ranbaxy | S031 | IQube | 6 |

| C025 | Ranbaxy | S032 | Decathlon Sport India | 12 |

| C025 | Ranbaxy | S034 | Accenture | 6 |

| C026 | ISRO | S034 | Accenture | 6 |

| C026 | ISRO | S036 | Indium Software | 12 |

| C027 | Johnson & Johnson | S032 | Decathlon Sport India | 12 |

| C027 | Johnson & Johnson | S036 | Indium Software | 12 |

| C028 | Wipro | S030 | Indium Software | 48 |

| C028 | Wipro | S031 | IQube | 6 |

| C028 | Wipro | S032 | Decathlon Sport India | 12 |

| C028 | Wipro | S034 | Accenture | 6 |

+------------+---------------------------+------------+-----------------------------+--------------------+

51 rows in set (0.00 sec)

1. For which students the job doesn’t providing any training
2. Find the second youngest student who got placed in more than one company
3. Find the students who got placed, who got job and who got training
4. Find the company which provides the highest average salary for the students
5. Find the departments in which students who got salary 1,00,000 in their internship or job
6. Find the students who got the maximum salary in the same age groups
7. Find the sum of salaries of students of each department
8. Find the highest, lowest and average salary for those who are earning more than 50,000
9. Display the details of all students with placement details who got exactly one placement and his internship salary is more than 50000 and less than 90000.

Proc1: For PG scholarships, the required qualifications are 90% in HSC/Diploma and 90% in UG. Display the students details who are eligible for scholarship and also display the no of placements they received.

Proc2: For

Delimiter $$

create trigger trigger\_1 after

insert on qualification for each row

BEGIN DECLARE percentage INT;

select UG into percentage from qualification where UG=new.UG;

IF percentage<40.00 THEN

DELETE from qualification where UG=new.UG; END IF;

END $$

Delimiter $$

CREATE TRIGGER trigger\_2

BEFORE INSERT

ON Job

FOR EACH ROW

BEGIN DECLARE num INT;

select count(Job\_Id) into num from Job where new.Company\_ID=Company\_ID GROUP BY Company\_ID;

IF num+1>3 THEN

SIGNAL SQLSTATE '50001' SET MESSAGE\_TEXT = 'Company can hire not more than 3 students';

END IF;

END $$

DELIMITER $$

CREATE PROCEDURE Scholarship()

BEGIN

select S.Student\_ID,Name,Email,Phone\_No,DOB,count(Placement\_ID) from Student S,Placement P

where S.Student\_ID=P.Student\_ID

and S.Student\_ID in (select Student\_ID from Qualification where (HSC>90 or Diploma>90) and UG>90)

GROUP BY S.Student\_ID;

END $$

CALL Scholarship();

DELIMITER &&

CREATE PROCEDURE get\_company(IN num INT)

BEGIN

SELECT \* FROM Company LIMIT num;

SELECT J.Company\_ID,COUNT(J.Company\_ID) AS Total FROM Company C,Job J,Training T where C.Company\_ID=J.Company\_ID and J.Job\_ID=T.Job\_ID GROUP BY J.Company\_ID ORDER BY J.Company\_ID;

END &&

CALL get\_company(7);